

bs-17244R**[Primary Antibody]**

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SAT1 Rabbit pAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) ICC/IF (1:100-500) ELISA (1:5000-10000) Reactivity: (predicted: Human, Mouse, Rat, Pig, Cow, Dog, Horse, Xenopus laevis) Predicted MW.: 20 kDa Subcellular Location: Cytoplasm
Clonality: Polyclonal		
GeneID: 6303	SWISS: P21673	
Target: SAT1		
Immunogen: KLH conjugated synthetic peptide derived from human SAT1: 101-171/171.		
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
Background: The protein encoded by this gene belongs to the acetyltransferase family, and is a rate-limiting enzyme in the catabolic pathway of polyamine metabolism. It catalyzes the acetylation of spermidine and spermine, and is involved in the regulation of the intracellular concentration of polyamines and their transport out of cells. Defects in this gene are associated with keratosis follicularis spinulosa decalvans (KFSD). Alternatively spliced transcripts have been found for this gene.[provided by RefSeq, Sep 2009]		

— SELECTED CITATIONS —

- **[IF=10.6]** Gong Xinxian. et al. Ferrocene-derived magnetic fiber-particles from diesel exhaust: enhanced pulmonary toxicity via Bach1-SAT1-polyamine depletion. J NANOBIOTECHNOL. 2025 Dec;23(1):1-21 WB ;Human. 40301891
- **[IF=5.959]** Zhang C et al. “Iron free” zinc oxide nanoparticles with ion-leaking properties disrupt intracellular ROS and iron homeostasis to induce ferroptosis. Cell Death Dis. 2020 Mar 13;11(3):183. WB ;mouse. 32170066
- **[IF=5.778]** Zixuan Liu. et al. Tetrachlorobenzoquinone exposure triggers ferroptosis contributing to its neurotoxicity. Chemosphere. 2021 Feb;264:128413 WB ;Rat. 33017703
- **[IF=3.8]** Qi Wang. et al. Deciphering relationship between depression and microbial molecules based on multi-omics: A case study of Chaigui Granules. CHIN HERB MED. 2024 Feb;; WB ;Rat. 10.1016/j.chmed.2023.12.003